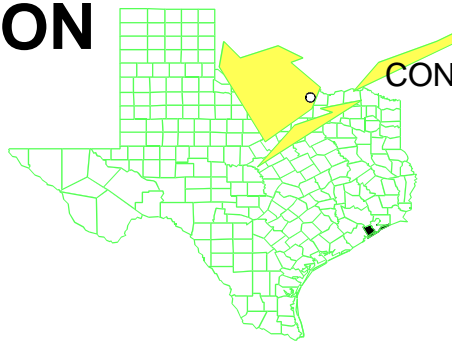


TEX-TIN CORPORATION TEXAS

EPA ID# TXD062113329



EPA REGION 6

CONGRESSIONAL DISTRICT 09

Site Description

Location:

- ! The Tex-Tin site is located in a mixed industrial/petrochemical/residential area of State Highway 146 and FM 519 in Texas City, Galveston County, Texas.
- ! The site is approximately 10 miles north of Galveston, Texas, and the approximately one mile northwest of the site.

Population:

- ! An estimated 25,000 people live within a three-mile radius of the site.

Setting:

- ! Tex Tin is an inactive tin and copper smelter.
- ! The 170-acre site contains numerous waste handling or disposal areas, treatment ponds, open and closed acid ponds, slag piles, an inactive low level radioactive wastes, and an inactive hydrocarbon recovery facility.
- ! Industrial waste disposal facilities and marsh areas are located south of the site.

Hydrology:

- ! The shallow Chicot Aquifer is comprised of interbedded sedimentary sand and clay, and extends from about 60 feet to about 1,000 feet below the surface.
- ! The Chicot aquifer is overlaid by shallow transmissive zones which are sources of water supplies.

Wastes and Volumes

Surface Soils

- ! Surface soils have been impacted by constituents released at site.
- ! Major contaminants identified are arsenic, cadmium, chromium, copper, lead, and zinc.
- ! Radionuclides and low-level gamma radiation above background levels are present.

Subsurface Soils

- ! Subsurface soils (generally in the upper 2 to 5 feet) have been impacted by constituents released at site.

! Major contaminants identified were arsenic, cadmium, chromium, copper,

Former Acid Ponds

! Fill and sediment in ponds exceed background concentrations for various metals and have a low pH.

! Radionuclides above background levels, and volatile organic compounds above background levels of the former ponds.

Slag Piles

! Piles have high concentrations of inorganic constituents.

! Several piles were identified that had high levels of gamma radiation; several piles are above background.

Ground Water

! Shallow transmissive zone has been impacted by site activities. Inorganic arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, and several organic constituents exceed MCLs and upgradient groundwater. Radium-226 and radium-228 exceed MCLs in some shallow groundwater.

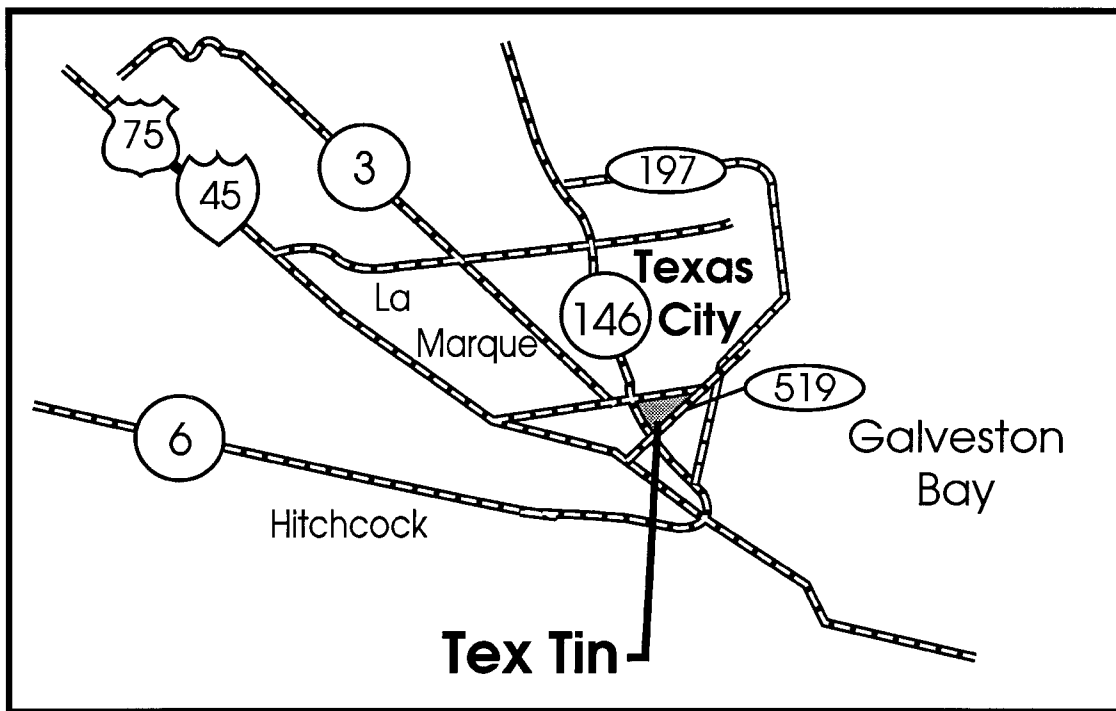
! Medium transmissive zone has been impacted by inorganic constituents in the shallow transmissive zone. Concentrations of various inorganic constituents exceed concentration limits (MCLs).

! The deep transmissive zone appears to have low levels of inorganic constituents slightly above MCLs.

Site Assessment and Ranking _____

NPL LISTING HISTORY
Site HRS Score: 50.00
Proposed Date: 6/17/96
Final Date: _____
NPL Update: No. _____

Site Map and Diagram



The Remediation Process

Site History:

- The site was originally developed as a tin smelting operation by the U.S. Army during World War II. Wah Chang Corporation bought the site after the war and operated it under the name Associated Metals and Minerals until 1984, when the name was changed to Tex Tin Corporation.
- Tin was processed at the facility from 1941 until 1989; secondary copper and lead smelting operations ceased in April 1991.
- In 1969 AMOCO Chemical Co. purchased about 27 acres on the eastern side of the site.
- Amoco Chemical Company and Tex Tin Corporation entered into an Administrative Consent in 1990 to perform a Remedial Investigation and Feasibility Study.
- The RI field work was concluded in August 1992, and development of the Assessment report, and the Feasibility Study report began. The RI report was completed in 1993.
- Tex Tin Corporation challenged the NPL listing in Federal Appeals Court. The court decision was presented May 23, 1991.
- On June 14, 1991, the Court issued its determination that EPA had no information to support the conclusion made in the HRS package that was released from waste piles.

- The Court remanded the NPL listing to EPA for "a reasoned explanation to be released from the waste piles."
- A hearing on the NPL listing status was held on April 5, 1993.
- On May 11, 1993, The U.S. Court of Appeals for the District of Columbia deleted Tex Tin from the NPL.
- In a June 18, 1993, letter from EPA to the Texas Natural Resource Conservation Commission (TNRCC), the site was referred to the TNRCC. TNRCC subsequently collected data to evaluate the site under the federal Hazard Ranking System.
- TNRCC completed the special study and submitted the results to EPA documentation record. In a letter dated October 5, 1994, TNRCC requested EPA to re-propose the Tex Tin site for re-proposal on the NPL.
- The Tex-Tin site was re-proposed to the NPL in June 1996. EPA HQ's comments submitted on the proposed listing. A final decision is expected soon if evaluation of comments can be expedited.

Health Considerations:

- Potential human exposure risks include inhalation of particulate from sediments, soils, and shallow ground water, and dermal contact with sediments.
- Inorganic constituents released at the site have impacted the surface ground water.
- All wells within a 1-mile radius of the site are completed in deeper aquifers. No shallow aquifers have been identified.

Other Environmental Risks:

- There is a low-level radioactive material buried in a permitted landfill. Low level gamma radiation were detected on the site during the Remedial Investigation.
- Low ph water is leaving the site to the south through Wah Chang ditch.

Record of Decision

No Record of Decision to Date
Scheduled for September 1997

Community Involvement

- Community Involvement Plan: Developed 8/90
- Open houses and workshops: 4/90, 5/90, 6/90
- Proposed Plan Fact Sheet and Public Meeting: N/A
- ROD Fact Sheet: N/A
- Milestone Fact Sheets: 8/88, 5/90, 6/90, 9/90, 12/90, 2/91 (by PRPs)
- Citizens on site mailing list: 152
- Constituency Interest: Residents are primarily concerned with airbor site migration of contamination from storm water runoff; site is located in a residential area.
- Site Repository Moore Memorial Library, 1701 Ninth Avenue North, Tex 77590

Technical Assistance Grant

- Availability Notice: 9/89, Re-advertised 8/90
- Letters of Intent Received:
 - 1) Tex Tin Area Citizens Group - 12/2/89 (withdrawn 8/90)
 - 2) Environmental Protection Advisory Group - 2/28/92
- Final Application Received: 12/92
- Grant Award: Pending
- Current Status: All grant paperwork is in order; award is on hold pending listing challenge by PRPs.

Fiscal and Program Management

- **Remedial Project Manager (EPA):** Carlos A. Sanchez, 214-665-8507, Mail Code: 6
- **State Contact:** (TNRCC) Ludy Voslov, 512/239-6368, Mail Code 143
- **Community Involvement Coordinator (EPA):** Donn Walters, 214-665-6483, Mail Code P
- **Attorney (EPA):** Pam Travis, 214-665-8056, Mail Code: 6SF-DL
- **State Coordinator (EPA):** Shirley Workman, 214-665-8522, Mail Code: 6SF-AT
- **Prime Contractor:**

Cost Recovery: PRP Lead (Enforcement)

- PRPs Identified: 130
- Viable PRP: Not Determined
- Administrative Order on Consent with site PRPs for conduct of RI/FS

Present Status and Issues

- The site has been re-proposed for listing on the NPL. EPA is currently responding to comments. A decision on the proposed listing should be made by

Benefits

- Cleanup of site contaminants would address the threat of potential site impacts to public health (workers/community) and the environment (ground water). A minority community is located approximately 2,000 feet from the site. People live within a mile radius of the site. Addressing the source could significantly reduce or prevent future migration of site contaminants. After site remediation, this 170-acre site could be used for future industrial or commercial development.